

Parallel Computing for Science & Engineering (PCSE 374C/394C)

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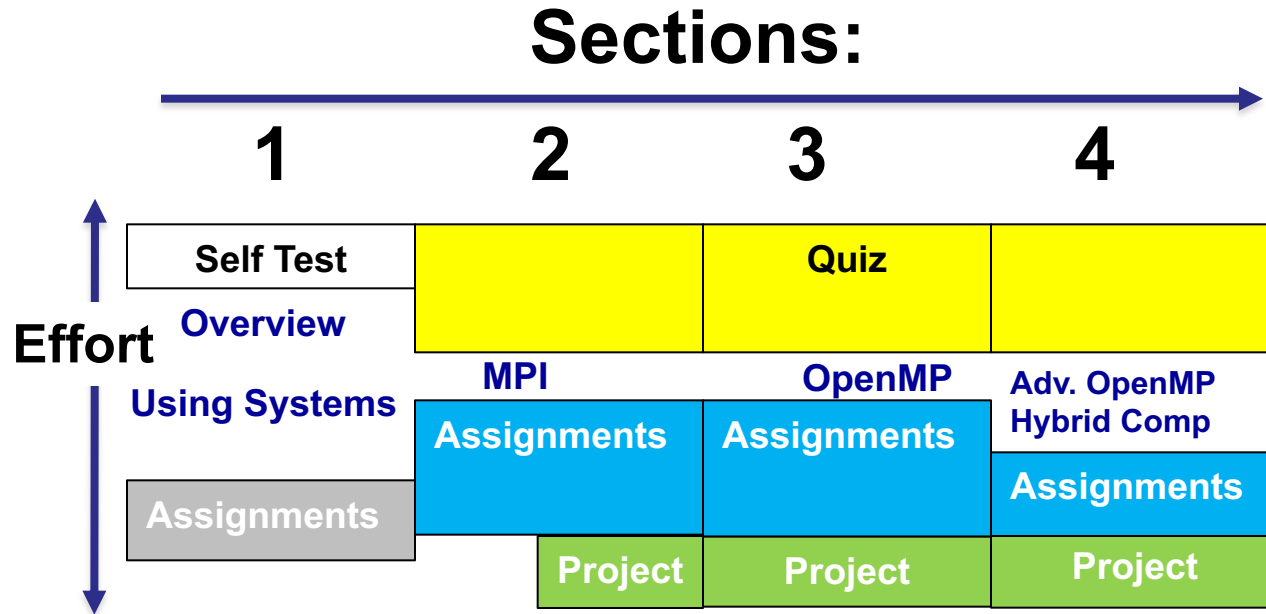
Welcome

- The Course
 - Parallel (how to multitask on computers)
 - Computing (traditional number crunching, data storage & visualization)
 - for Science & Engineering (from ground zero to confident parallel programming)
- github will be the repository for “all” class material
 - github.com/TACC/sds374394spring2023
- Slack will be used for all communication
- Compute Cluster: frontera.tacc.utexas.edu
TACC website
www.tacc.utexas.edu

Welcome

- Office Hours by appointment
- Email: Please put **PCSE** in subject header
TA: Saamaja Naraharisetti nsaamaja@gmail.com
eijkhout@tacc.utexas.edu
lars@tacc.utexas.edu
- Email only for stuff that may need a record, like discussions on grades or absence, etc.
- Syllabus
 - Lectures
 - Assignments
 - Quizzes
 - Project
 - Grades
- Lectures will be recorded on zoom
- Auditors are welcome.

Structure



Colored sections are graded.

Welcome

- Immediately:
 - Need for you to create a “TACC Account” (login name) at **portal.tacc.utexas.edu**
 - We will add your account to the project for this class, so you can login to frontera (with your login name you specify on the portal). Once you have a user name, please communicate the info with us via slack
- Problems? Let’s talk on slack or after class, etc.

Welcome

tacc.utexas.edu

Click on

Use TACC

TACC User Portal

Click, Click Continue..., Click I agree ...
Provide your own username /password, etc.

TACC USER PORTAL [Sign In](#)

HOME NEWS RESOURCES ALLOCATIONS DOCUMENTATION TRAINING CONSULTING ABOUT

System Monitor

Name	Status	Load	Queue
Stampede	✓ Healthy	78%	Running: 780 Queued: 10
Lonestar5	✓ Healthy	66%	Running: 264 Queued: 0
Maverick	✓ Healthy	45%	Running: 54 Queued: 1
Corral	✓ Healthy		
Corral iRODS	✓ Healthy		
Ranch	✓ Healthy		
Wrangler	✓ Healthy		

Last Updated: 2017-01-13T15:20:09Z [More Details →](#)

User Guides

- Stampede Lonestar 5 Maverick
- Corral Ranch Stallion
- Wrangler More

Training Courses

- Upcoming Training Courses
- Past Course Materials

Login to the TACC User Portal

- Log in with TACC Account
- Log in with UT System / UT EID

Don't have a TACC Account?

Users from UT System affiliated institutions can [create an account with their UT System Institution credentials](#). Otherwise, you can [create a TACC Account](#).

[Create a TACC Account](#)

User News

Courses on Manycore Programming (KNL)

Get the TACC Mobile App!

This application is available for both the iPhone and the iPad from the [Apple App Store](#).



Note:

Single account for all resources
Centralized password management

Welcome

Communicate your **account (login) name** via slack

Within a day or two you will receive email authorizing login access to the TACC computing systems, and instructions on using MFA (multi-factor **authentication**).

```
$ ssh frontera.tacc.utexas.edu -l <account(login) name>
```

Frontera is enforcing Multi-Factor Authentication. To access the system:

- 1) If not using ssh-keys, please enter your TACC password at the password prompt
- 2) At the TACC Token prompt, enter your 6-digit code followed by <return>.

Password:<your_portal_password>

TACC Token Code:<token_from_authentication_app>

...

login1.frontera\$